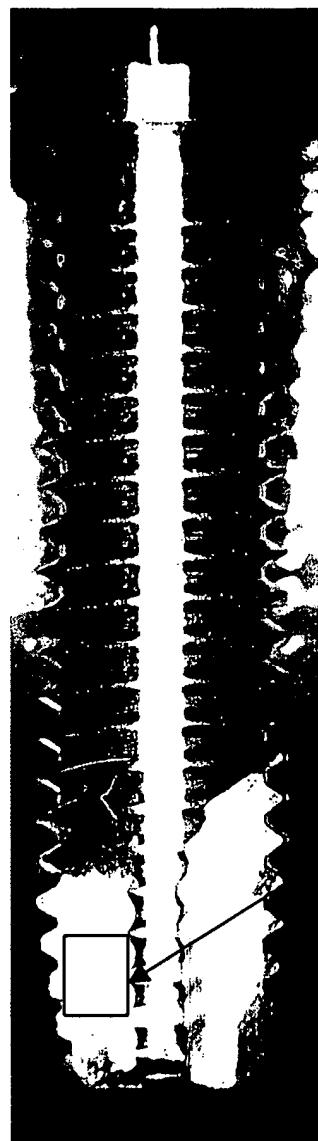
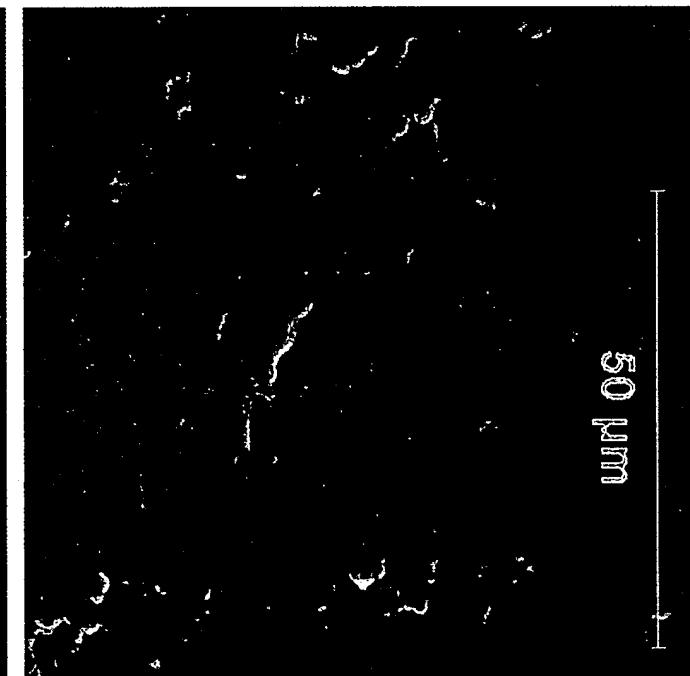
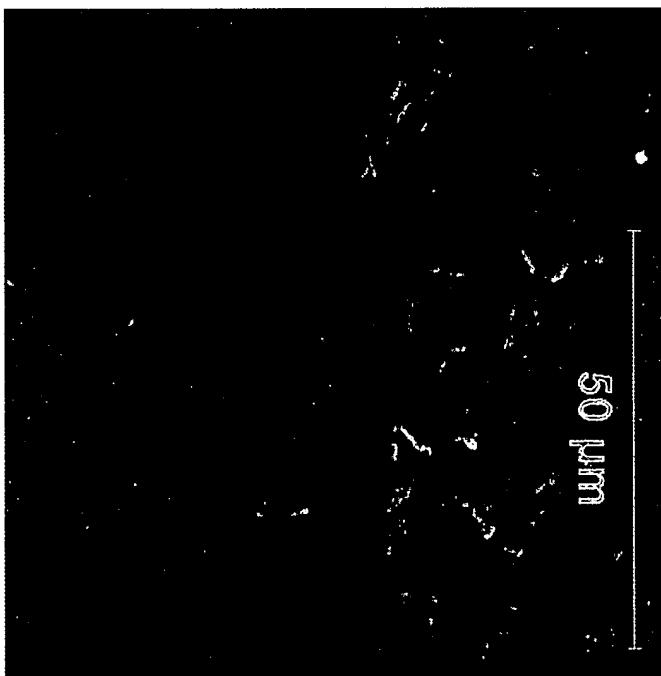


Test Sample # 1

Before Etching



After Etching

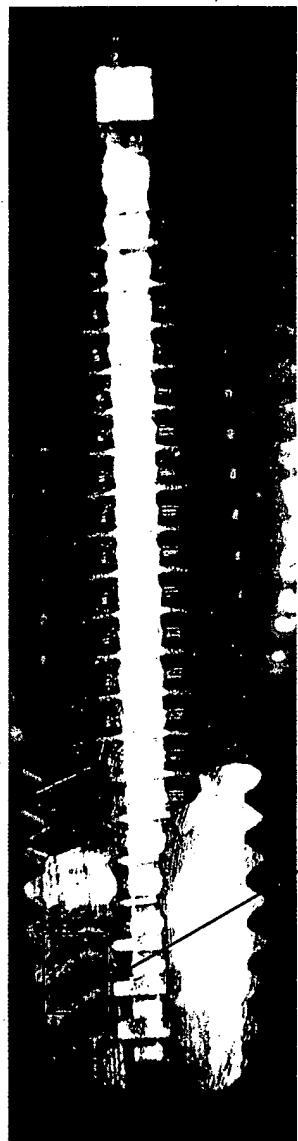


Test Sample #2

Before Etching

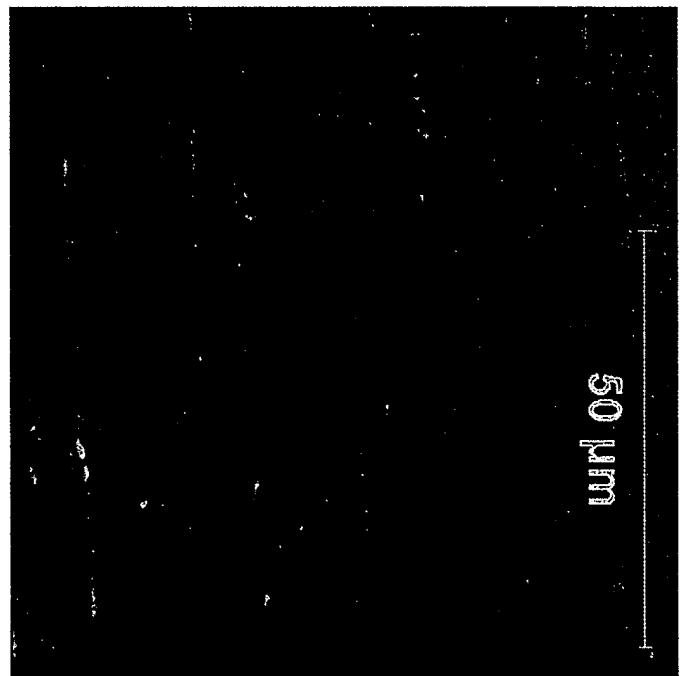
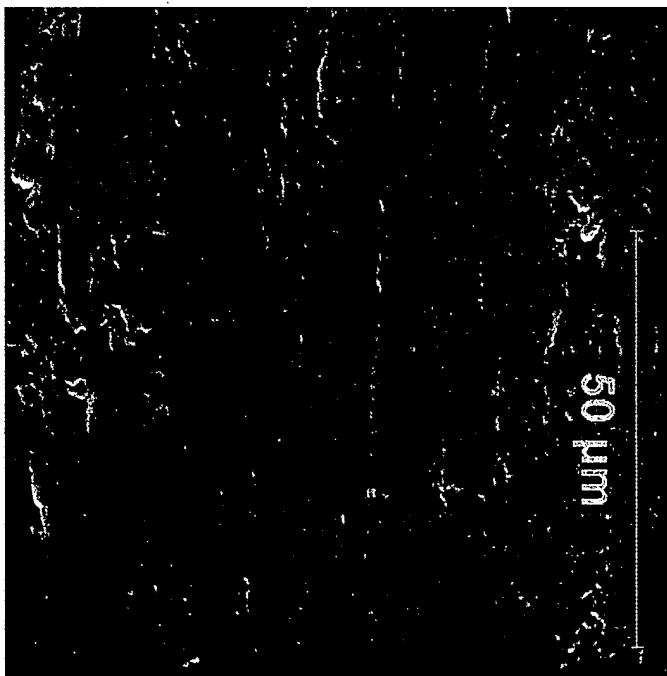
50 μm

Area of Interest



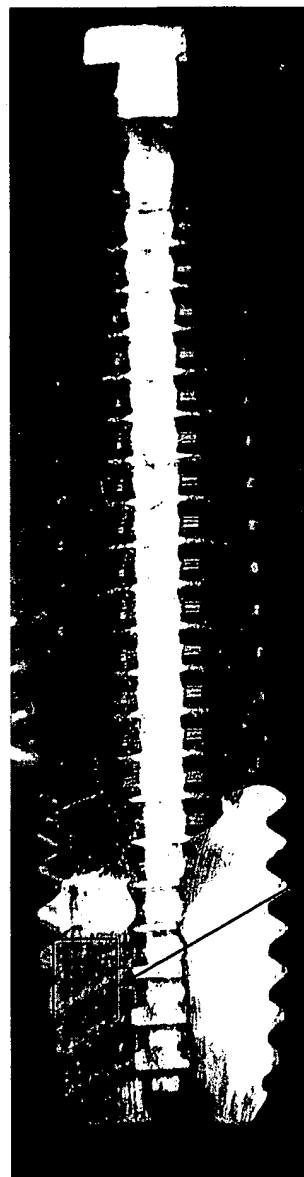
After Etching

50 μm



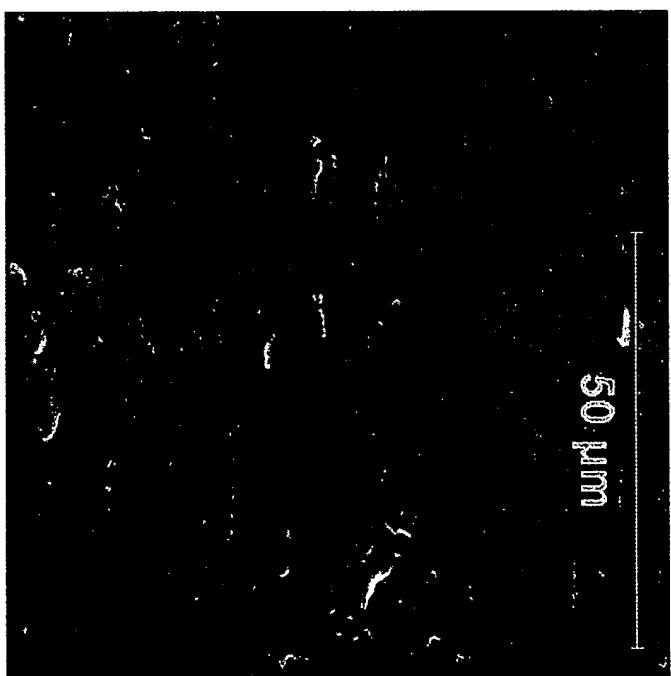
Test Sample # 3

Before Etching

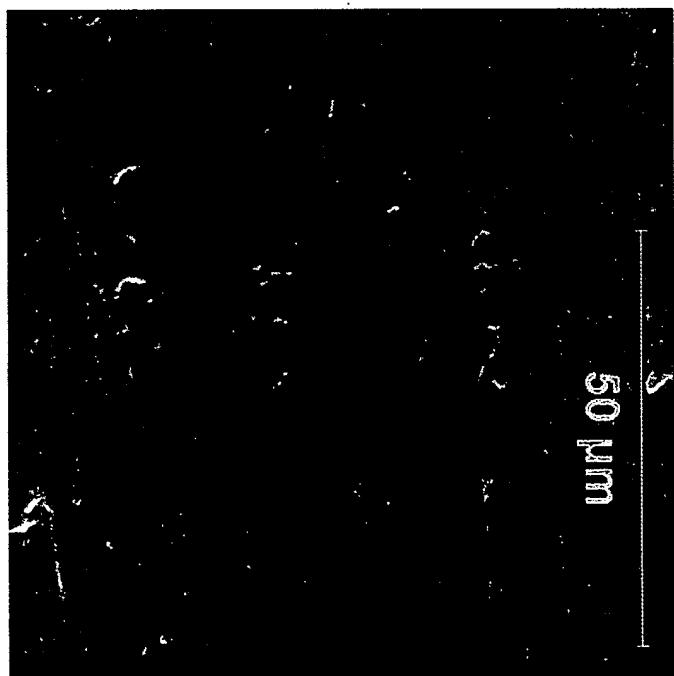


Area of Interest

After Etching



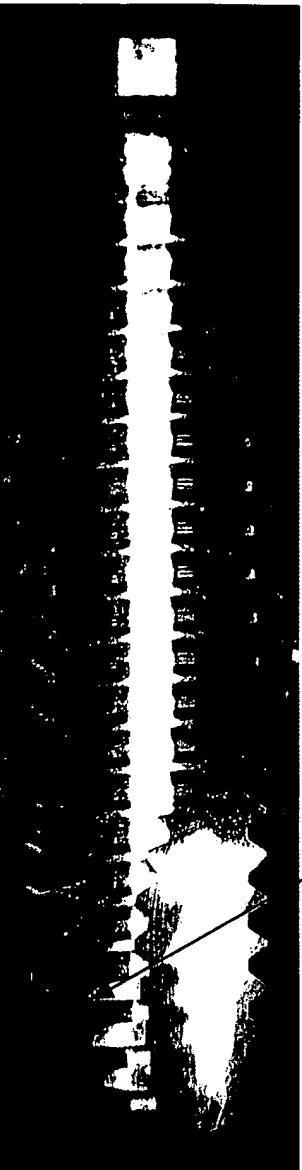
50 μ m



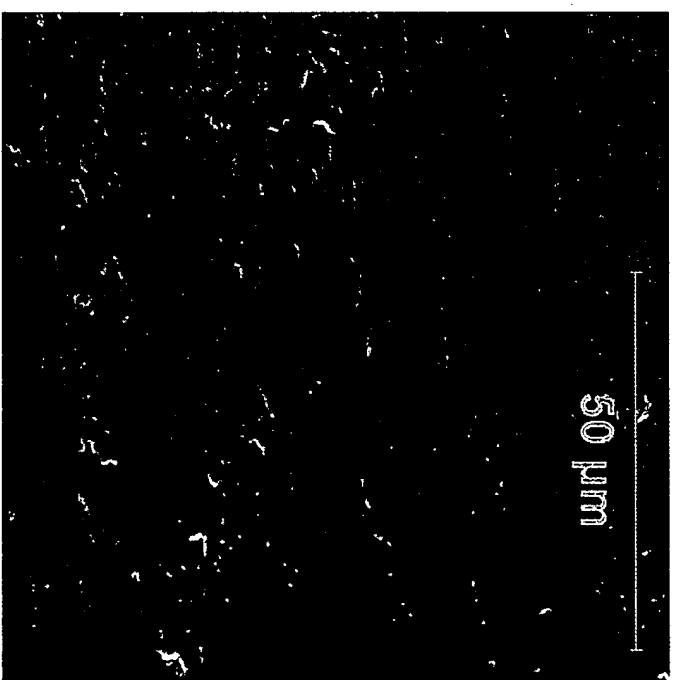
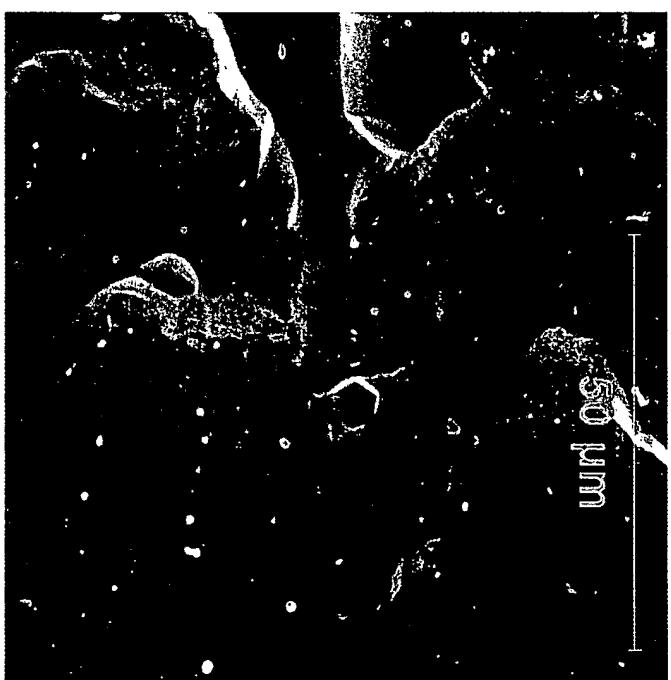
50 μ m

Test Sample # 4

Before Etching



After Etching

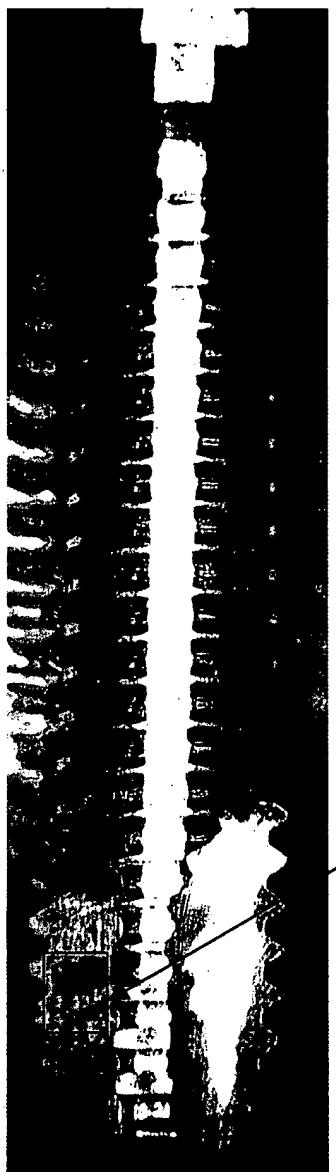


Test Sample #5

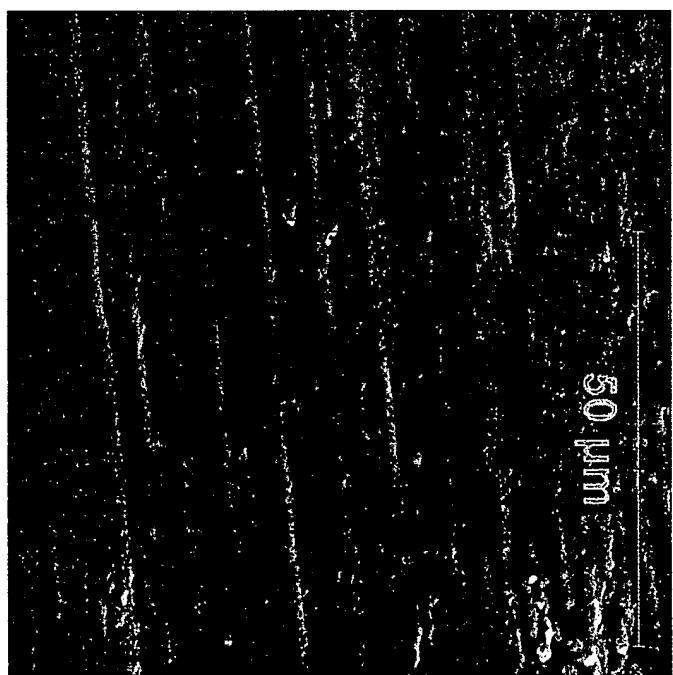
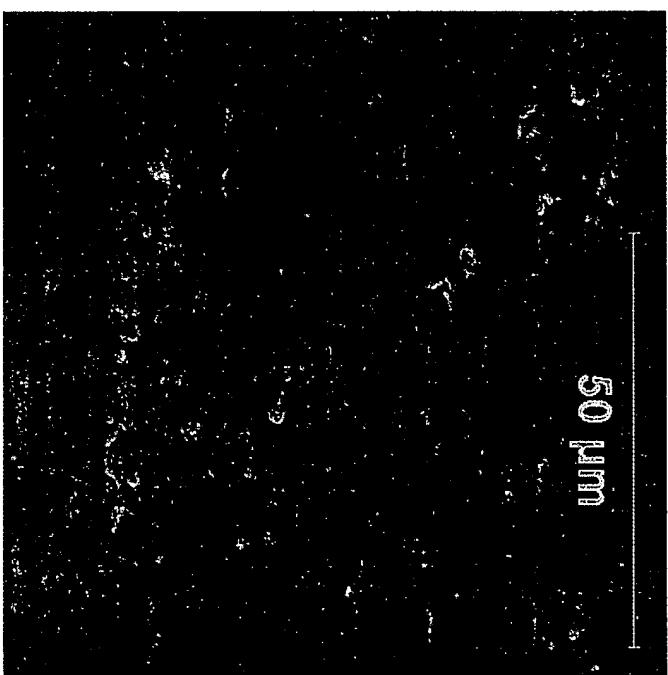
Before Etching

50 μ m

Area of Interest



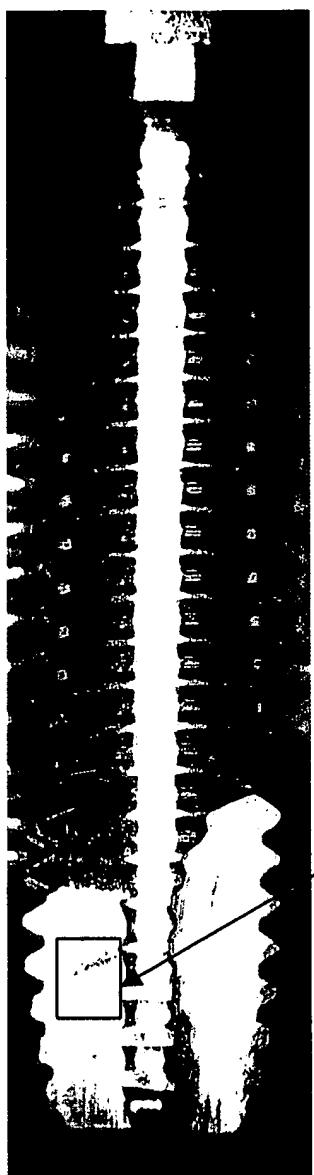
After Etching



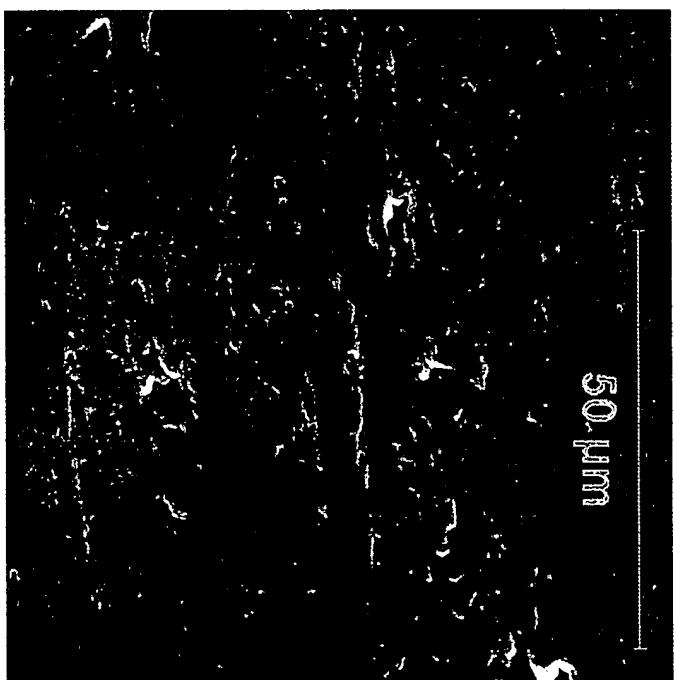
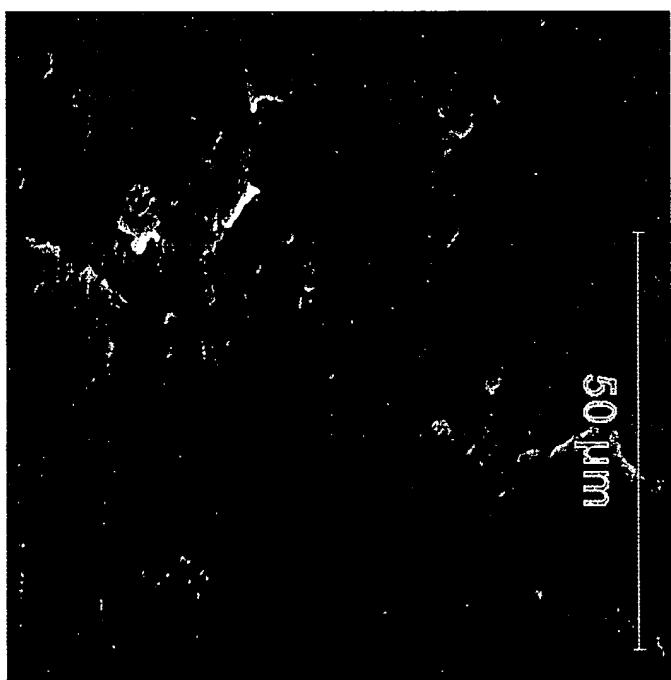
Test Sample # 6

Before Etching

Area of Interest



After Etching



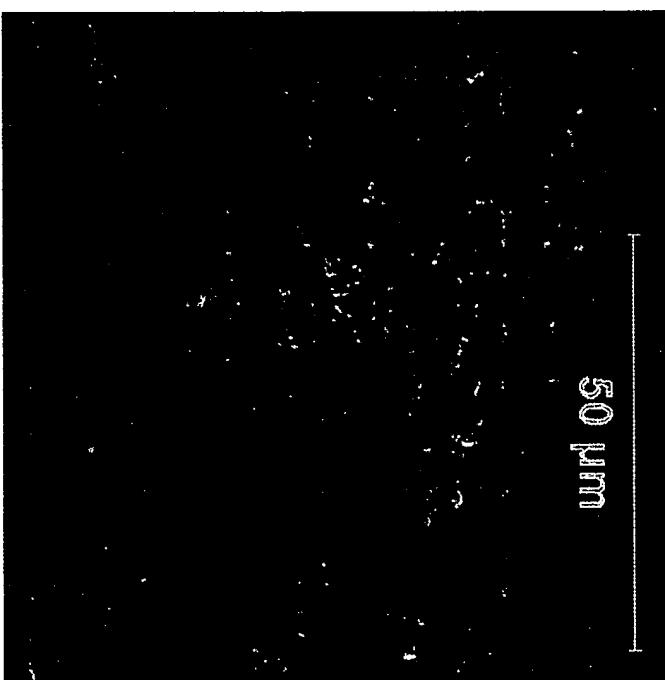
Test Sample # 7

Before Etching

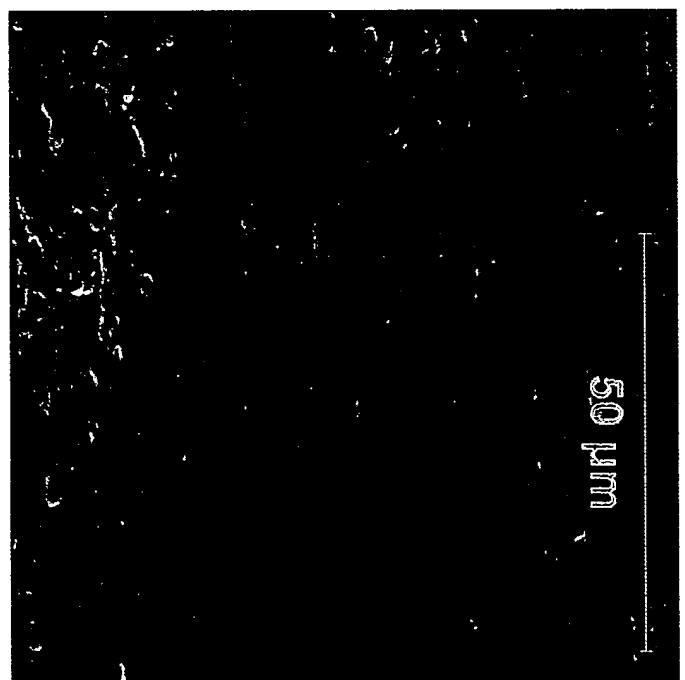
Area of Interest



After Etching



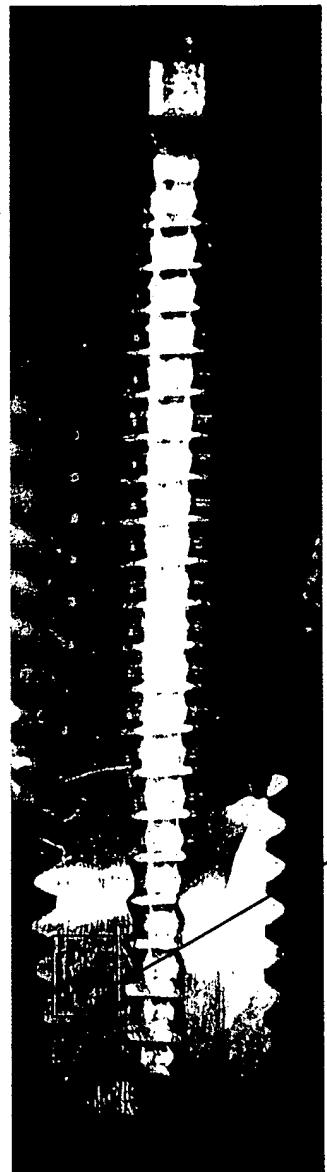
50 μ m



Test Sample #8

Before Etching

Area of Interest



After Etching

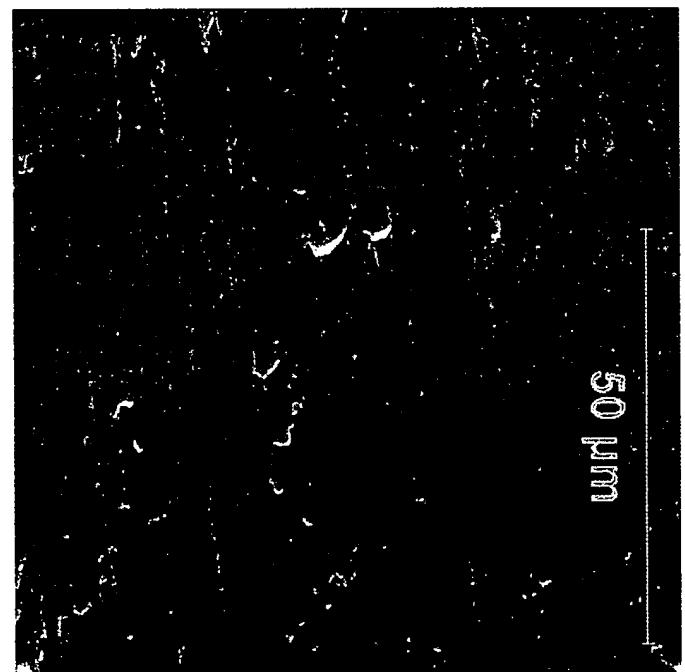
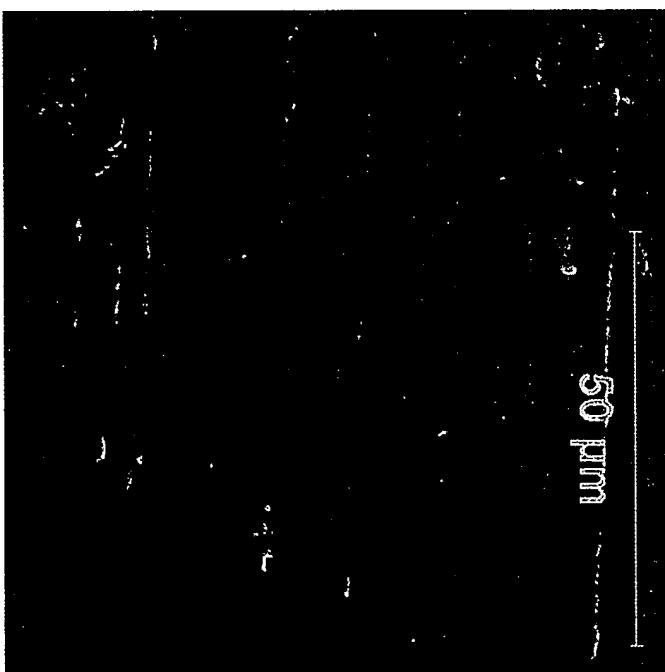


Table D: Results Of Etching Grit-Blasted Surface with Various Mineral Acids

Test Sample No.	Etching Conditions	Grit-Blasted Surface Area Before Etching (m ²)	Surface Area After Etching (m ²)
1	70% Nitric Acid, 5 min. at 24°C	29509.84	32666.07
2	85% Phosphoric Acid, 5 min. at 24°C	38307.96	29186.49
3	96% Sulfuric Acid, 5 min. at 24°C	30936.96	26998.21
4	49% Hydrofluoric Acid, 5 min. at 24°C	33771.91	22157.74
5	37% Hydrochloric Acid, 5 min. at 24°C	35737.09	37123.01
6	70% Nitric Acid, 5 min. at 50-55°C	36612.49	38678.22
7	85% Phosphoric Acid, 5 min. at 50-55°C	31222.55	32272.19
8	96% Sulfuric Acid, 5 min. at 50-55°C	34272.34	35174.25